

Substitute:

$$\left[ Ga_x Ge_y Sb_{\frac{\delta}{(100-\gamma)}} Te_{\frac{\epsilon}{(100-\gamma)}} \right]_{1-w} Mn_w$$

Rearrange to:

$$\left[ Ga_x Ge_y \left( Sb_{\frac{\delta}{(100-\gamma)}} Te_{\frac{\epsilon}{(100-\gamma)}} \right) \right]_{1-w} Mn_w$$

Divide out  $(1-x-y)$  from the parenthesis portion:

$$\left[ Ga_x Ge_y \left( Sb_{\frac{\delta}{(100-\gamma)(1-x-y)}} Te_{\frac{\epsilon}{(100-\gamma)(1-x-y)}} \right)_{1-x-y} \right]_{1-w} Mn_w$$

Therefore:

$$z = \frac{\delta}{(100-\gamma)(1-x-y)}$$

This can be double checked by confirming that  $1-z = \frac{\epsilon}{(100-\gamma)(1-x-y)}$

The chart was calculated in Excel with the following:

Example #:	Atomic Percentage (from Harigaya '346)					Compositional Ratio (to compare to patent claims)				
	Ga	Ge	Sb	Te	Mn	Ga (x)	Ge (y)	Sb (z)	Te	Mn (w)
#	$\alpha$	$\beta$	$\delta$	$\epsilon$	$\gamma$	$\frac{\alpha}{(100-\gamma)}$	$\frac{\beta}{(100-\gamma)}$	$\frac{\delta}{(100-\gamma)(1-x-y)}$	$1-z$	$\frac{\gamma}{100}$

**COPY**



PTO/SB/26 (07-06)

Approved for use through 09/30/2006, OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING  
REJECTION OVER A "PRIOR" PATENT**

Docket Number (Optional)

H6790.0004/P004

In re Application of: Masaki Kato et al.

Application No.: 10/699,878-Conf. #3496

Filed: November 4, 2003

For: OPTICAL INFORMATION RECORDING MEDIUM (AS AMENDED)

The owner\*, Ricoh Company, Ltd., of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent No. 6,770,346 as the term of said prior patent is defined in 35 U.S.C. 154 and 173, and as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 and 173 of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:

- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1.  For submissions on behalf of a business/organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the business/organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2.  The undersigned is an attorney or agent of record: Reg. No. 33,082

  
Signature

March 12, 2007

Date

Mark J. Thronson  
Typed or printed name

(202) 420-4742  
Telephone Number

- Terminal disclaimer fee under 37 CFR 1.20(d) is included.

\*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).  
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.